

O. H. M. S.

*W. J. Gerald*  
Deputy Minister.

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LABORATORY  
OF THE  
INLAND REVENUE DEPARTMENT  
OTTAWA, CANADA.

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BULLETIN No. 143

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DRUGS

CHLORAL HYDRATE, AMMONIUM BROMIDE, PURIFIED CREAM OF TARTAR

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OF TARTAR

OTTAWA, December 3, 1907.

W. J. GERALD, Esq.,

Deputy Minister of Inland Revenue.

SIR,—I beg to hand you a report dealing with 389 samples collected as above, and more particularly described as follows:—

|   | Samples. |
|---|----------|
| Chloral hydrate .....                                 | 129      |
| Ammonium bromide .....                                | 129      |
| Boric acid (sold as ammonium bromide) .....           | 1        |
| Potassii tartras acidus. ....                         | 92       |
| Rochelle salt (sold as pot. tart. ac.) .....          | 1        |
| Cream of tartar .....                                 | 36       |
| Bi. carbonate of soda (sold as cream of tartar) ..... | 1        |
| Total .....   | 389      |

The collections were made in July and August last, and particular instructions were issued to guide the inspectors in their work. Unfortunately these instructions were ignored by four of the inspectors, and, in consequence of this fact, thirty-seven samples of cream of tartar were purchased under that name, a name which is not recognized by the British Pharmacopœia. Cream of tartar is not a drug, although *purified cream of tartar* is an official synonym for potassii tartras acidus. These samples must, therefore, in justice to the vendors, be judged as commercial cream of tartar, and not in terms of the pharmacopœal definition for the purified article.

Descriptive notes precede the tables, and the only other point which deserves mention here is the occurrence of serious blunders in dispensing. When one is served with

boracic acid for bromide of ammonium, Rochelle salt for purified cream of tartar, and bicarbonate of soda for cream of tartar, it is apparent that grave consequences are liable to follow in the filling of medical prescriptions. It will be further noted that one of the samples of bromide of ammonium contains nearly 18 per cent. of ammonio-chloride of mercury.

I think that everything further of importance in regard to these articles will be found in the notes appended to the tables. I have considered it unnecessary to give details of collection in regard to samples of chloral hydrate, since all of these samples were officially pure.

I beg to recommend that this report be published as Bulletin 143.

I have the honour to be, Sir,

Your obedient servant,

A. MCGILL,

*Chief Analyst.*

### CHLORAL HYDRATE.

In July and August a collection of ten samples of this drug in each Inspectoral district was ordered. One hundred and twenty nine (129) samples were collected.

These were examined by Mr. Lemoine, of this office, and were found in every instance, to come up the requirements of the British Pharmacopœia. As regards the Soda test, a remarkable homogeneity was found, the volume of normal soda corresponding to 4 grammes of the drug, varying between 29.5cc and 29.9cc. In no case was any trace of chloral alcoholate found; and eighty samples were quite free from chlorides, while the traces obtained in the remaining 49 samples were so small as to be negligible.

The examination shows that this important drug, as supplied in Canada, is of a uniformly high grade.

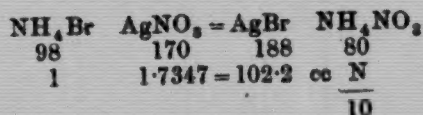
### AMMONIUM BROMIDE—(SEE TABLE I).

One hundred and thirty samples were collected in August of this year; being ten in each inspectoral district.

Of these samples, two, namely Nos. 33424 and 29569 are not ammonium bromide. The former contains about 18 per cent of ammoniated chloride of mercury. No. 29569 is boracic acid.

The remaining samples (128 in number) are true to name; but of very different degrees of purity.

The distinctive pharmacopœal test for the purity of this drug is, titration with volumetric solution of nitrate of silver. The reaction is as follows:—



Hence one gramme of chemically pure ammonium bromide should require 102.2 cubic centimetres of the deci-normal solution of silver nitrate for complete decomposition. The closely allied chloride and iodide of ammonium (or other base) react similarly with silver solution. Owing to the lower molecular weight of the chloride, it would require  $\frac{102.2 \times 98}{133} = 75.1$  cubic centimetres of deci-normal solution to react with 1 gramme; while, the greater molecular weight of iodide would cause only  $\frac{102.2 \times 133}{234} = 58.0$  cubic centimetres to be used, in the case of the ammonium salts.



It is unlikely that the iodide should be present, as an impurity, on account of its higher value, and for other reasons. As a matter of fact, none of the samples now reported shows a lower titre than 102, except No. 33424, which contains ammonio-chloride of mercury, insoluble in water, and consequently not entering into reaction with the silver test.

The pharmacopoeia provides for traces of chloride as an impurity, and permits samples requiring as high as 103.6 cubic centimetres of the test solution to pass as satisfactory.

Assuming excess of test solution (above 102.2 cc) as due to admixture of ammonium chloride, the percentage of this substance present may be calculated from the following:—

If  $x$  = percentage ammonium chloride

$100 - x$  = " " bromide

Let  $a$  = cc. volumetric solution used per grammes sample

$$\frac{x}{.535} + \frac{100-x}{.98} = a$$

Whence,  $x = 1.1782a - 120.23$

Taking  $a = 103.6$ , it thus appears that the British Pharmacopoeia permits as much as 1.83 per cent of ammonium chloride.

It will be seen, by consulting the appended table, that while a large number of the samples examined come very near to the B. P. Standard, not one sample quite reaches it, and a considerable number depart from it by notable amounts.

Chloride of ammonium is not a dangerous impurity, except in so far as it materially reduces the medicinal efficiency of the drug. The bromide is recognized as essentially a nerve sedative and depressant; while the chloride is a nerve stimulant. It is therefore evident that these substances tend to counteract each other. Moreover, the effective dose of chloride is smaller than that of the bromide; hence, the presence of relatively small percentages of the chloride is highly objectionable.

Since this is the first occasion upon which this drug has been subjected to inspection, it may be well to summarize the results of its examination, as below:—

PERCENTAGE OF PURITY.

| District.                 | 97<br>p.c. | 96<br>p.c. | 95<br>p.c. | 94<br>p.c. | 93<br>p.c. | 92<br>p.c. | 91<br>p.c. | 90<br>p.c. | Total.  |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
|                           |            |            |            |            |            |            |            |            | Samples |
| Nova Scotia.....          | 5          | 2          | 1          |            |            | 1          |            |            | 9       |
| Prince Edward Island..... | 3          | 7          |            |            |            |            |            |            | 10      |
| New Brunswick.....        | 2          | 1          | 1          | 1          |            | 2          | 1          | 1          | 9       |
| Quebec.....               | 1          | 3          | 1          | 2          |            | 2          | 1          |            | 10      |
| St. Hyacinthe.....        | 4          | 3          | 2          |            |            |            | 1          |            | 10      |
| Montreal.....             | 3          | 6          | 1          |            |            |            |            |            | 10      |
| Ottawa.....               | 3          | 7          |            |            |            |            |            |            | 10      |
| Kingston.....             | 2          | 7          |            |            |            | 1          |            |            | 10      |
| Toronto.....              | 2          | 5          | 1          |            |            | 1          |            | 1          | 10      |
| London.....               | 2          | 6          | 1          |            |            | 1          |            |            | 10      |
| Manitoba.....             | 3          | 3          |            |            |            | 2          | 2          |            | 10      |
| Calgary.....              | 7          | 2          | 1          |            |            |            |            |            | 10      |
| British Columbia.....     | —          | 3          | 1          |            |            | 3          | 2          | 1          | 10      |
|                           | 37         | 55         | 10         | 3          | 0          | 13         | 7          | 3          | 128     |

This tabulation omits the two cases referred to above, where decided mistakes in dispensing occurred; in one case boracic acid being furnished; and in the other a bromide of ammonium highly contaminated with ammonio-chloride of mercury.

Expressed as percentages, we have the following:—

## BROMIDE OF AMMONIUM.

|                                   |   |    |   | Per cent. |
|-----------------------------------|---|----|---|-----------|
| Of 97 to 98 per cent purity ..... |   |    |   | 28.0      |
| 96                                | " | 97 | " | 43.0      |
| 95                                | " | 96 | " | 7.8       |
| 94                                | " | 95 | " | 2.3       |
| 93                                | " | 94 | " |           |
| 92                                | " | 93 | " | 10.1      |
| 91                                | " | 92 | " | 5.6       |
| 90                                | " | 91 | " | 2.3       |

100.0 per cent.

of the collection.

Even if we allow a margin of 1 to 2 per cent. to cover possible errors in sampling, weighing, measuring and titration (a margin which is fully large even when work is not done in duplicate, and which entirely disappears under the conditions fulfilled in this laboratory), we find more than 20 per cent. of these samples below such standard, i. e., below 95 per cent. of purity.

This being a first inspection of the drug, it might be advisable to permit all samples reaching a purity of 95 per cent. to pass unquestioned. This suggestion is offered without prejudice to future inspection.

## PURIFIED CREAM OF TARTAR.

*Potassii Tartras Acidus*: Acid potassium tartrate; Bitartrate of potassium, or purified cream of tartar, is to be carefully distinguished from commercial cream of tartar. For this last substance no legalized standard of purity exists, while for the first-named substance the British Pharmacopœia furnishes a perfectly definite standard "Each gramme of the dry salt should require for neutralization at least 5.2 cubic centimetres of the volumetric solution of sodium hydroxide. It should yield no characteristic reaction with the tests for lead, copper or iron, and only the slightest reaction with tests for calcium, magnesium, sodium, chlorides or sulphates. The total amount of impurities should not exceed  $2\frac{1}{2}$  per cent. of the dried salt."

*Commercial cream of tartar*, for which no standard of purity has been, thus far made legal, is very largely used as a component of baking powders, of effervescing drinks, etc. It is found on the market in varying degrees of purity, and has been made the subject of inspection in 1887, 1889, 1896, 1900 and 1905. The following synopsis may be of interest:—

## COMMERCIAL CREAM OF TARTAR.

| Date of collection. | Number of samples examined. | Found genuine. | Same expressed as percentage. |
|---------------------|-----------------------------|----------------|-------------------------------|
| 1887 .....          | 36                          | 22             | 61                            |
| 1889 .....          | 86                          | 52             | 60                            |
| 1896 .....          | 99                          | 65             | 66                            |
| 1900 .....          | 65                          | 57             | 88                            |
| 1905 .....          | 160                         | 122            | 76                            |

It is likewise of interest to note the *degree of purity* reached by the Cream of Tartar of commerce. For the inspection of 1887, 73 per cent of the genuine cream of tartars examined were below 90 per cent purity; for 1889, 60 per cent; for 1896, 30 per cent; for 1900, 63 per cent. As regards the inspection of 1905, 12.8 per cent of the genuine samples reached a purity of 97 per cent, i.e. were practically up to the pharmacopoeial standard of purity; while 38.3 per cent were above 90 per cent of purity.

It must be remembered that these statements refer to Commercial Cream of Tartar. The inspection now reported has regard to the pharmacopoeial *Bitartrate of Potassium*, for which a standard of 97½ per cent purity is required. Our inspectors were instructed to ask for the article by one or other of the names recognized by the British Pharmacopoeia. These names are (1) *Potassii Tartras Acidus*; (2) *Bi-tartrate of Potassium*; (3) *Acid potassium tartrate*; (4) *Purified Cream of Tartar*.

These instructions were disregarded by the inspectors for the Districts of London, St. Hyacinthe, Manitoba and Calgary, whose invoices show that *Cream of Tartar* has been asked for. This failure to observe my instructions has the important consequence that thirty seven (37) samples, of the present collection, must be judged as *Cream of Tartar* and not as *Purified Cream of Tartar*.

Of the 37 samples referred to, No. 28837 contains a small amount of bi-carbonate of soda. It is probable that this is unintentionally present (perhaps from the container having formerly contained bi-carbonate) and I have marked it as "doubtful." No. 25621 consists entirely of Bi-carbonate of soda, and is evidently an error in dispensing. No. 27878 consists of acid phosphate of lime and starch; and No. 30428, contains burnt alum and starch. These two samples are therefore adulterated, under the Act. The remaining 33 samples must be passed as legal cream of tartar although their values, to the consumer, vary greatly. This is shown in the following table:—

|                                 | Samples. |
|---------------------------------|----------|
| 95 to 100 per cent purity ..... | 11       |
| 90 to 95 " " .....              | 14       |
| 85 to 90 " " .....              | 7        |
| Below 85 " " .....              | 1        |
|                                 | <hr/>    |
|                                 | 33       |
| Doubtful .....                  | 1        |
| Adulterated .....               | 2        |
| Error in dispensing .....       | 1        |
|                                 | <hr/>    |
| Total .....                     | 37       |

The samples just referred to are reported in detail in the accompanying Table No. III. Table No. II. contains details of the examination of ninety three (93) samples purchased as *Potassii Tartras Acidus*, or *Purified Cream of Tartar*.

Of these samples Nos. 33415, 26309 and 33314 consist of burnt alum and starch, and are clearly adulterated. In the case of No. 26309 the word "Commercial" is pencilled on the label. Even as a commercial *Cream of Tartar* it would be pronounced adulterated. No. 32554 is a sample of Rochelle salt, and is clearly an error in dispensing.

Of the remaining 89 samples, only 21 samples fulfil the requirements of the British Pharmacopoeia. The 68 samples which, although genuine, in the sense of being essentially Bi-tartrate of potassium, are below the standard of purity fixed by the pharmacopoeia, differ so widely among themselves, that it seems scarcely just to place them in a single category. The variations referred to are clearly brought out, thus:—

|                                       | Samples. |
|---------------------------------------|----------|
| From 97.5 to 95 per cent purity ..... | 4        |
| " 95 to 92.5 " .....                  | 6        |
| " 92.5 to 90 " .....                  | 24       |
| Below 90 per cent .....               | 34       |
|                                       | <hr/>    |
| Total .....                           | 68       |



The results of this examination of *Purified Cream of Tartar*, may therefore be summarized as follows:—

|   | Sample.   |
|---|-----------|
| Genuine .....   | 21        |
| Doubtful (Error in dispensing).....   | 1         |
| Adulterated (Burnt alum, &c.) .....   | 3         |
| " (Commercial Cream of Tartar, below 90 p.c. purity).....                               | 34        |
| " (Commercial Cream of Tartar, below B.P. standard, but from 90 to 95 p.c. purity)..... | 30        |
| " (Commercial Cream of Tartar, below B.P. standard, but above 95 p.c. of purity) .....  | 4         |
| Total.....  | <u>93</u> |

While I have no power to change this classification, or to characterize as other than adulterated, any sample falling below 97·5 per cent. purity, I would recommend a lenient treatment of such offenders, whose samples show a reasonably close approximation to the standard fixed by the British Pharmacopoeia; particularly, as the failure to meet the high degree of purity required by the Pharmacopoeia, involves no serious reduction of value in the drug, so far as the cases in question are concerned.

A. McGILL.

TABLE I.—RECORD OF SAMPLES OF BROMIDE OF AMMONIA ANALYZED

| Date of Collection.        | Nature of Sample.     | No. of Sample. | Name and Address of Vendor.  | Cost.     |        |
|----------------------------|-----------------------|----------------|--|-----------|--------|
|                            |                       |                |  | Quantity. | Cents. |
| 1907.                      |                       |                |  |           |        |
| DISTRICT OF NOVA SCOTIA—   |                       |                |  |           |        |
| Aug. 5..                   | Bromide of Ammonia... | 33416          | E. S. Blackie, Hollis St., Halifax, N.S. ....                        | 3 oss...  | 25     |
| " 5..                      | "                     | 33417          | National Drug Co   | 3 "...    | 20     |
| " 6..                      | "                     | 33418          | G. A. Burbidge, Hollis St., Halifax, N.S. ....                       | 3 "...    | 20     |
| " 6..                      | "                     | 33419          | Jno. R. Rawley, Granville St., Halifax, N.S. ....                    | 3 "...    | 20     |
| " 6..                      | "                     | 33420          | Brown Bros. & Co., Granville St., Halifax, N.S. ....                 | 3 "...    | 20     |
| " 6..                      | "                     | 33421          | C. E. Huggins, Jacob St., Halifax, N.S. ....                         | 3 "...    | 15     |
| " 7..                      | "                     | 33422          | H. W. Cameron, Brunswick St., Halifax, N.S. ....                     | 3 "...    | 15     |
| " 7..                      | "                     | 33423          | Jas. McFatridge, Gottingen St., Halifax, N.S. ....                   | 3 "...    | 20     |
| " 7..                      | "                     | 33424          | Coombes & Co., Gottingen St., Halifax, N.S. ....                     | 3 "...    | 25     |
| " 13..                     | "                     | 33425          | R. F. Guest, Yarmouth, N.S. ....                                     | 3 "...    | 20     |
| DISTRICT OF PRINCE EDWARD  |                       |                |  |           |        |
| July 25..                  | Bromide of Ammonia... | 31140          | Reddin Bros., Charlottetown, P.E.I. ....                             | 3 "...    | 30     |
| " 25..                     | "                     | 31141          | J. G. Jameson, Charlottetown, P.E.I. ....                            | 3 "...    | 30     |
| " 25..                     | "                     | 31142          | G. S. Hughes, Charlottetown, P.E.I. ....                             | 3 "...    | 20     |
| " 26..                     | "                     | 31143          | A. Reddin, Charlottetown, P.E.I. ....                                | 3 "...    | 25     |
| " 26..                     | "                     | 31144          | McDonald & McKinnon, Charlottetown, P.E.I. ....                      | 3 "...    | 30     |
| " 31..                     | "                     | 31145          | J. W. Caruthers, Montague Bridge, P.E.I. ....                        | 3 "...    | 20     |
| Aug. 6..                   | "                     | 31146          | P. McNutt & Son, Malpeque, P.E.I. ....                               | 3 "...    | 15     |
| " 6..                      | "                     | 31147          | Jardine & Bernard, Kensington, P.E.I. ....                           | 3 "...    | 30     |
| " 7..                      | "                     | 31148          | W. Kennedy, Summerside, P.E.I. ....                                  | 3 "...    | 30     |
| " 7..                      | "                     | 31149          | A. W. P. Gourlie, Summerside, P.E.I. ....                            | 3 "...    | 30     |
| DISTRICT OF NEW BRUNSWICK— |                       |                |  |           |        |
| July 26..                  | Bromide of Ammonia... | 29564          | Nat. Drug & Chem. Co. Ltd., Mill st., St. John, N.B. ....            | 3 oss...  | 25     |
| " 27..                     | "                     | 29565          | Geo. A. Moore, 105 Brussels st., St. John, N.B. ....                 | 3 "...    | 45     |
| " 29..                     | "                     | 29566          | Can. Drug Co. Ltd., Prince William St., St. John, N.B. ....          | 3 "...    | 45     |
| " 30..                     | "                     | 29567          | P. J. Donohoe, Cor. St. James and Charlotte St., St. John, N.B. .... | 3 "...    | 45     |
| Aug. 6..                   | "                     | 29568          | B. J. Sharp, Broad St., Sussex, Kings Co., N.B. ....                 | 3 "...    | 45     |
| " 7..                      | "                     | 29569          | Dr. E. O. Steeves Pharmacy, Main St. Moncton N.B. ....               | 3 "...    | 45     |
| " 9..                      | "                     | 29570          | C. P. Hickey, Main St., Chatham, N.B. ....                           | 3 "...    | 35     |
| " 20..                     | "                     | 29571          | Estate of Fred Waterson, King St., St. Stephen, N.B. ....            | 3 "...    | 45     |
| " 21..                     | "                     | 29572          | Alonzo Staples, Cor. of York and King St., Fredricton, N.B. ....     | 3 "...    | 30     |
| " 23..                     | "                     | 29573          | Sheasgreen Drug Co., Main St., Woodstock, N.B. ....                  | 3 "...    | 25     |



## BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's<br>Report. | RESULTS OF ANALYSIS.             |   |                            |  | Opinion of the Chief<br>Analyst. |
|---|------------------------|----------------------------------|---|----------------------------|--|----------------------------------|
|   |                        | R. P. Silver test<br>N per gram. | Excess over 102 cc.<br>N calculated to<br>10<br>chloride. | Percentage of Pur-<br>ity. |  |                                  |

## R. J. WAUGH, INSPECTOR.

|   |                  |     |            |       |  |
|---|------------------|-----|------------|-------|--|
| National Drug Co., Halifax, N.S.          | Sold as labeled. | 106 | p. c. 3.52 | 96.48 |  |
| Not known                                 | "                | 104 | 2.35       | 97.65 |  |
| National Drug Co., Halifax, N.S.          | "                | 104 | 2.35       | 97.65 |  |
| "   | "                | 106 | 3.52       | 96.48 |  |
| "   | "                | 104 | 2.35       | 97.65 |  |
| "   | "                | 106 | 4.70       | 95.30 |  |
| Fielding Chemical Co., Guelph, O.         | "                | 108 | 7.04       | 92.96 |  |
| National Drug Co., Halifax, N.S.          | "                | 101 | 2.35       | 97.65 |  |
| "   | "                | 84  |            |       |  |
| National Drug Co., St. John, N.B. Branch. | "                | 104 | 2.35       | 97.65 | This sample contains about<br>18 p.c. of ammonio-chlo-<br>ride of mercury. |

## ISLAND—T. MOORE, INSPECTOR.

|                             |  |     |      |       |  |
|-----------------------------|--|-----|------|-------|--|
| Lyman Sons, Montreal        |  | 105 | 3.52 | 96.48 |  |
| Not known                   |  | 104 | 2.35 | 97.65 |  |
| "                           |  | 104 | 2.35 | 97.65 |  |
| National Drug Co., Montreal |  | 104 | 2.35 | 97.65 |  |
| Lyman & Sons, Montreal      |  | 105 | 3.52 | 96.48 |  |
| Simpson Bros., Halifax      |  | 105 | 3.52 | 96.48 |  |
| National Drug Co., Montreal |  | 105 | 3.52 | 96.48 |  |
| Lyman Sons & Co., Montreal  |  | 105 | 3.52 | 96.48 |  |
| Not known                   |  | 105 | 3.52 | 96.48 |  |
| National Drug Co., Montreal |  | 105 | 3.52 | 96.48 |  |

## J. C. FERGUSON, INSPECTOR.

|   |  |     |      |       |                                   |
|---|--|-----|------|-------|-----------------------------------|
| Imported by Vendors                     | Sold from bulk.                            | 108 | 7.04 | 92.96 |                                   |
| Nat. Drug & Chem. Co., St. John, N.B.   | "  | 104 | 2.35 | 97.65 |                                   |
| Malinkrot Chem. Co., New York, U.S.A.   | "  | 106 | 4.70 | 95.30 |                                   |
| Nat. Drug Co., Ltd., St. John, N.B.     | "  | 108 | 7.04 | 92.96 |                                   |
| Nat. Drug Co., Ltd., St. John, N.B.     | "  | 107 | 5.87 | 94.13 |                                   |
| Not known                               | Samples filled from stock bottle on shelf. |     |      |       | This is a sample of Boracic Acid. |
| Rosengarten & Son, Philadelphia.        | Taken from original package.               | 109 | 8.21 | 91.79 |                                   |
| Powers & Weightman, Philadelphia, P. A. | Sample filled from original package.       | 104 | 2.35 | 97.65 |                                   |
| Can. Drug Co., St. John, N.B.           | Sample filled from large package.          | 106 | 3.52 | 96.48 |                                   |
| Can. Drug Co., St. John, N.B.           |  | 110 | 9.4  | 90.60 |                                   |

TABLE I.—RECORD OF SAMPLES OF BROMIDE OF AMMONIA ANALYZED

| Date of Collection.        | Nature of Sample.     | No. of Sample. | Name and Address of Vendor.                     | Cost.     |        |
|----------------------------|-----------------------|----------------|---|-----------|--------|
|                            |                       |                |   | Quantity. | Cents. |
| 1907.                      |                       |                |   |           |        |
| DISTRICT OF QUEBEC—        |                       |                |   |           |        |
| July 29                    | Bromide of Ammonia... | 26304          | Joseph Masson, 809 St. Valier.                  | 3 OZS.    | 36     |
| " 29                       | "                     | 26305          | Thon. I. Laroche, 735 St. Valier.               | 3 "       | 25     |
| " 29                       | "                     | 26306          | L. E. Martel, 91 St. Joseph.                    | 3 "       | 36     |
| " 29                       | "                     | 26307          | David Gagnon, 30 St. Pierre.                    | 3 "       | 36     |
| " 29                       | "                     | 26308          | Victor Giroux, 104 Côté Lamontagne.             | 3 "       | 30     |
| " 29                       | "                     | 26329          | W. Brunnette et Cie, 139 St. Joseph.            | 3 "       | 30     |
| " 29                       | "                     | 26310          | C. P. Delisle, 379½ St. Jean.                   | 3 "       | 30     |
| " 29                       | "                     | 26311          | Alfred Jolicoeur, 338 St. Jean.                 | 3 "       | 40     |
| " 29                       | "                     | 26312          | F. E. Gauvreau, 336 St. Jean.                   | 3 "       | 30     |
| " 29                       | "                     | 26313          | T. Edmond Dube.                                 | 3 "       | 21     |
| DISTRICT OF ST. HYACINTHE— |                       |                |   |           |        |
| Aug. 6                     | Bromide of Ammonia... | 27851          | J. C. Stockwell, Danville, Que.                 | 9 OZS.    | 1 00   |
| " 9                        | "                     | 27852          | A. Baldwin, Coaticook, Que.                     | 9 "       | 75     |
| " 9                        | "                     | 27853          | W. H. Griffith, Sherbrooke, Que.                | 9 "       | 65     |
| " 9                        | "                     | 27854          | F. T. Ansell, Que.                              | 9 "       | 45     |
| " 14                       | "                     | 27855          | Wright & Co., St. Jean, Que.                    | 9 "       | 75     |
| " 14                       | "                     | 27856          | P. P. Sabourin, Que.                            | 9 "       | 55     |
| " 16                       | "                     | 27857          | Dr. C. P. Verdon, Granby, Que.                  | 9 "       | 75     |
| " 26                       | "                     | 27858          | Dr. St. Jacques & Cie, St. Hyacinthe, Que.      | 9 "       | 50     |
| " 26                       | "                     | 27859          | Dr. John West, Magog, Que.                      | 9 "       | 1 00   |
| " 26                       | "                     | 27860          | Pharmacie Ostigny, St. Hyacinthe, Que.          | 9 "       | 60     |
| DISTRICT OF MONTREAL—      |                       |                |   |           |        |
| July 30                    | Bromide of Ammonia... | 32543          | J. E. W. Lecours, 238 Craig St., Montreal.      | 3 OZS.    | 30     |
| " 30                       | "                     | 32544          | Henry Lanctot, 295 St. Catherine St. E., M'tl.  | 3 "       | 25     |
| Aug. 8                     | "                     | 32545          | Dr. J. Leduc & Co., Notre Dame St., Montreal.   | 3 "       | 20     |
| " 8                        | "                     | 32546          | Pharmacie Robert, 1 St. Lawrence St., Montreal. | 3 "       | 25     |
| " 9                        | "                     | 32547          | James Fortune, Huntingdon.                      | 3 "       | 30     |
| " 12                       | "                     | 32548          | J. A. Harte, Montreal.                          | 3 "       | 30     |
| " 14                       | "                     | 32549          | A. L. Boucher, Joliette.                        | 3 "       | 45     |
| " 14                       | "                     | 32550          | J. J. Lyons Co., Montreal.                      | 3 "       | 30     |
| " 14                       | "                     | 32551          | J. Pigeon.                                      | 3 "       | 30     |
| " 12                       | "                     | 32562          | O. F. Pinck, Montreal.                          | 3 "       | 25     |
| DISTRICT OF OTTAWA—        |                       |                |   |           |        |
| July 30                    | Bromide of Ammonia... | 34001          | Medical Hall, Hull.                             | 3 OZS.    | 25     |
| " 30                       | "                     | 34002          | Modern Drug Store, Hull.                        | 3 "       | 25     |
| " 29                       | "                     | 34003          | E. R. DesRosiers, Ottawa.                       | 3 "       | 30     |
| " 29                       | "                     | 34004          | The Jos. Valiquette Co., Ottawa.                | 3 "       | 15     |
| " 30                       | "                     | 34005          | Beattie & Argue, Ottawa.                        | 3 "       | 25     |
| " 30                       | "                     | 34006          | Allen & Cochrane, Ottawa.                       | 3 "       | 30     |
| " 30                       | "                     | 34007          | Geo. Watson, Ottawa.                            | 3 "       | 30     |
| Aug. 5                     | "                     | 34008          | Geo. E. Moore, Carleton Place.                  | 3 "       | 25     |
| " 6                        | "                     | 34009          | Wm. Johnston, Smith's Falls.                    | 3 "       | 30     |
| " 7                        | "                     | 34010          | F. L. Hall, Perth.                              | 3 "       | 20     |

## BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's<br>Report. | RESULTS OF ANALYSIS.                   |   |                            | Opinion of the Chief<br>Analyst. |
|---|------------------------|--|---|----------------------------|----------------------------------|
|   |                        | B. P. Silver test<br>N per gram.<br>10 | Excess over 102 cc.<br>N calculated to<br>10<br>chloride. | Percentage of Puri-<br>ty. |                                  |

## E. BELAND, INSPECTOR.

|                                   |     |      |       |
|-----------------------------------|-----|------|-------|
| T. E. Martel, 91 St. Joseph.....  | 107 | 5.87 | 94.17 |
| Kerry Watson, Montreal.....       | 107 | 5.87 | 94.17 |
| The Lyman Knox Co., Montreal..... | 105 | 3.52 | 96.48 |
| " " ".....                        | 105 | 4.70 | 95.30 |
| " " ".....                        | 105 | 7.04 | 92.96 |
| Not known.....                    | 104 | 2.35 | 97.65 |
| " " ".....                        | 109 | 8.21 | 91.79 |
| " " ".....                        | 105 | 3.52 | 96.48 |
| Lyman Sons & Co., Montreal.....   | 105 | 7.04 | 92.96 |
| Fielding Chem. Co.....            | 105 | 3.52 | 96.48 |

## J. C. ROULEAU, INSPECTOR.

|                                   |     |      |       |
|-----------------------------------|-----|------|-------|
| Not known.....                    | 105 | 4.70 | 95.30 |
| " " ".....                        | 105 | 3.52 | 96.48 |
| Lyman Sons & Co., Montreal.....   | 104 | 2.35 | 97.65 |
| Kerry Watson & Co., Montreal..... | 105 | 3.52 | 96.48 |
| Lyman Sons & Co., Montreal.....   | 105 | 3.52 | 96.48 |
| L. C. Polson & Co., Kingston..... | 104 | 2.35 | 97.65 |
| Not known.....                    | 104 | 2.35 | 97.65 |
| " " ".....                        | 109 | 8.21 | 91.79 |
| Lyman Sons & Co., Montreal.....   | 104 | 2.35 | 97.65 |
| Not known.....                    | 105 | 4.70 | 95.30 |

## J. J. COSTIGAN, INSPECTOR.

|                                    |     |      |       |
|------------------------------------|-----|------|-------|
| Not known.....                     | 105 | 3.52 | 96.48 |
| " " ".....                         | 104 | 2.35 | 97.65 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 105 | 3.52 | 96.48 |
| " " ".....                         | 104 | 2.35 | 97.65 |
| " " ".....                         | 105 | 4.70 | 95.30 |
| National Drug and Chemical Co..... | 104 | 2.35 | 97.65 |

## J. A. RICKEY, INSPECTOR.

|                                |                                  |     |      |       |
|--------------------------------|----------------------------------|-----|------|-------|
| National Drug and Chemical Co. | Taken from bot-<br>tle on shelf. | 104 | 2.35 | 97.65 |
| Lyman, Knox & Co.....          | "                                | 105 | 3.52 | 96.48 |
| Ottawa Drug Co.....            | "                                | 105 | 3.52 | 96.48 |
| Lyman Sons & Co.....           | "                                | 104 | 2.35 | 97.65 |
| National Drug and Chemical Co. | "                                | 105 | 3.52 | 96.48 |
| Lyman Sons & Co.....           | "                                | 105 | 3.52 | 96.48 |
| " " ".....                     | "                                | 105 | 3.52 | 96.48 |
| National Drug and Chemical Co. | "                                | 105 | 3.52 | 96.48 |
| " " ".....                     | "                                | 104 | 2.35 | 97.65 |
| " " ".....                     | "                                | 105 | 3.52 | 96.48 |



TABLE I.—RECORD OF SAMPLES OF BROMIDE OF AMMONIA ANALYZED

|                       |                       |                | Cost.  |           |        |
|-----------------------|-----------------------|----------------|--|-----------|--------|
| Date of Collection.   | Nature of Sample.     | No. of Sample. | Name and Address of Vendor.                              | Quantity. | Cents. |
| 1907.                 |                       |                |  |           |        |
| DISTRICT OF KINGSTON— |                       |                |  |           |        |
| July 23.              | Bromide of Ammonia... | 32447          | W. W. Gibson, Kingston                                   | 3 oss     | 30     |
| " 23.                 | "                     | 32448          | H. Wade, Kingston  | 3 "       | 30     |
| " 23.                 | "                     | 32449          | L. P. Best, Kingston                                     | 3 "       | 45     |
| " 23.                 | "                     | 32450          | H. Skinner & Co., Kingston                               | 3 "       | 30     |
| " 23.                 | "                     | 32451          | G. Mahood, Kingston                                      | 3 "       | 30     |
| " 23.                 | "                     | 32452          | W. H. Medley, Kingston                                   | 3 "       | 30     |
| " 23.                 | "                     | 32453          | F. J. Hoag, Kingston                                     | 3 "       | 30     |
| " 23.                 | "                     | 32454          | A. J. Chown, Kingston                                    | 3 "       | 30     |
| " 24.                 | "                     | 32455          | J. B. McLeod, Kingston                                   | 3 "       | 30     |
| " 26.                 | "                     | 32456          | F. C. Clarke, Belleville Front                           | 3 "       | 25     |
| DISTRICT OF TORONTO—  |                       |                |  |           |        |
| Aug. 5.               | Bromide of Ammonia... | 33341          | Chas. J. Stoddart, 95 Dundas St., West Toronto Junction. | 3 oss     | 25     |
| " 12.                 | "                     | 33342          | Parke & Parke, 18 Market Square, Hamilton                | 3 "       | 25     |
| " 15.                 | "                     | 33343          | S. B. Scobell, 13 St. James St., St. Catharines          | 3 "       | 15     |
| " 15.                 | "                     | 33344          | Henry Southcott, 99 St. Paul St., St. Catharines         | 3 "       | 25     |
| " 15.                 | "                     | 33345          | Walker & Abbs, 30 Queen St., St. Catharines              | 3 "       | 25     |
| " 15.                 | "                     | 33346          | A. J. Greenwood, 149 St. Paul St., St. Catharines        | 3 "       | 15     |
| " 19.                 | "                     | 33347          | F. W. Jeffs, 68 King St., St. Catharines                 | 3 "       | 20     |
| " 19.                 | "                     | 33348          | J. L. Macartney, 34 Erie Ave., Niagara Falls             | 3 "       | 15     |
| " 19.                 | "                     | 33349          | Niagara Falls Drug Co., 37 Queen St., Niagara Falls      | 3 "       | 25     |
| " 19.                 | "                     | 33350          | A. C. Thorburne, Niagara Falls South                     | 3 "       | 25     |
| DISTRICT OF LONDON—   |                       |                |  |           |        |
| July 29.              | Bromide of Ammonia... | 30300          | Frank H. Smith, St. Mary's                               | 6 oss     | 60     |
| Aug. 3.               | "                     | 30411          | E. D. Vignon, Windsor                                    | 3 "       | 30     |
| " 13.                 | "                     | 30416          | Geo. H. Small, St. Thomas                                | 6 "       | 60     |
| " 13.                 | "                     | 30419          | Callard & McLacklan, London                              | 6 "       | 60     |
| " 14.                 | "                     | 30424          | W. A. Karn, Woodstock                                    | 3 "       | 30     |
| " 15.                 | "                     | 30427          | Fred C. Bond, Galt                                       | 3 "       | 30     |
| " 15.                 | "                     | 30429          | C. J. Dickinson, Galt                                    | 3 "       | 30     |
| " 16.                 | "                     | 30431          | John Schmith, Berlin                                     | 3 "       | 30     |
| " 16.                 | "                     | 30435          | Walter Beattie Co., Guelph                               | 3 "       | 19     |
| " 16.                 | "                     | 30437          | Alexander Steevens, Guelph                               | 3 "       | 45     |

## BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's<br>Report. | RESULTS OF ANALYSIS.                |  |                            | Opinion of the Chief<br>Analyst. |
|---|------------------------|-------------------------------------|--|----------------------------|----------------------------------|
|   |                        | B. P. Silver test<br>N<br>per gram. | Excess over 102 cc.<br>N<br>calculated to<br>10<br>chloride. | Percentage of Pur-<br>ity. |                                  |
| J. HOGAN, INSPECTOR.  |                        |                                     |  |                            |                                  |
| H. Skinner & Co., Kingston.....   |                        | 105                                 | p. c.<br>3.52  | 96.48                      |                                  |
| Evans & Sons, Montreal.....   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| H. Skinner & Co., Kingston.....   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| McKerson & Robbins, New York  |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Not known.....  |                        | 104                                 | 2.35   | 97.65                      |                                  |
| H. Skinner & Co., Kingston.....   |                        | 104                                 | 2.35   | 97.65                      |                                  |
| "   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| "   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Evans & Sons, Montreal.....   |                        | 108                                 | 7.04   | 92.96                      |                                  |
| H. J. DAGER, INSPECTOR.   |                        |                                     |  |                            |                                  |
| Lyman Knor, Toronto.....  |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Howard, London, Eng.....  |                        | 105                                 | 3.52   | 96.48                      |                                  |
| F. C. Polson, Kingston.....   |                        | 104                                 | 2.35   | 97.65                      |                                  |
| Lyman Bros., Toronto.....   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Mallinckrodt, New York City.....  |                        | 119                                 | 9.50   | 90.00                      |                                  |
| Lyman Bros., Toronto.....   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Not known.....  |                        | 108                                 | 7.04   | 92.96                      |                                  |
| Dom. Drug Co., Hamilton.....  |                        | 104                                 | 2.35   | 97.65                      |                                  |
| "   |                        | 105                                 | 4.70   | 95.30                      |                                  |
| Dom. Drug Co., Hamilton.....  |                        | 105                                 | 3.52   | 96.48                      |                                  |
| T. KIDD, INSPECTOR.   |                        |                                     |  |                            |                                  |
| Nat. Drug & Chem. Co., London,<br>Ont.....                              |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Nat. Drug & Chem. Co., London,<br>Ont.....                              |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Nat. Drug & Chem. Co., London,<br>Ont.....                              |                        | 105                                 | 3.7  | 96.3                       |                                  |
| Wm. Sanders, London.....  |                        | 105                                 | 3.5  | 96.48                      |                                  |
| Lyman Bros. & Co., Toronto.....   |                        | 108                                 | 7.04   | 92.96                      |                                  |
| "   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Elliott & Co., Toronto.....   |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Not known.....  |                        | 104                                 | 2.35   | 97.65                      |                                  |
| J. Winer & Co., Guelph &<br>Hamilton.....                               |                        | 105                                 | 3.52   | 96.48                      |                                  |
| Lyman Bros., Toronto.....   |                        | 108                                 | 4.70   | 95.30                      |                                  |

TABLE I.—RECORD OF SAMPLES OF BROMIDE OF AMMONIA ANALYZED

| Date of Collection.           | Nature of Sample.     | No. of Sample. | Name and Address of Vendor.                             | Quantity. | Cost. |
|-------------------------------|-----------------------|----------------|---|-----------|-------|
| 1907.                         |                       |                |   |           |       |
| DISTRICT OF MANITOBA—         |                       |                |   |           |       |
| Aug. 6.                       | Bromide of Ammonia... | 25613          | Cranstons Drug Store, Winnipeg                          | 3 ozs.    | 25    |
| " 6.                          | "                     | 25616          | H. W. Bradshaw, Winnipeg                                | 3 "       | 20    |
| " 6.                          | "                     | 25619          | Colcleugh's Drug Store, Winnipeg                        | 3 "       | 45    |
| " 7.                          | "                     | 25622          | W. F. C. Brathwaite, Winnipeg                           | 3 "       | 25    |
| " 7.                          | "                     | 25625          | Gordon Mitchell Co., Winnipeg                           | 3 "       | 35    |
| " 7.                          | "                     | 25635          | H. Wise Co., Winnipeg                                   | 3 "       | 15    |
| " 7.                          | "                     | 25638          | The T. Eaton Co., Winnipeg                              | 3 "       | 45    |
| " 6.                          | "                     | 25641          | Winnipeg Drug Hall, Winnipeg                            | 3 "       | 40    |
| " 10.                         | "                     | 25650          | R. D. Bruce   | 3 "       | 25    |
| " 10.                         | "                     | 25653          | Thornton Andrews, Winnipeg                              | 3 "       | 30    |
| DISTRICT OF CALGARY—          |                       |                |   |           |       |
| Aug. 21                       | Bromide of Ammonia... | 28788          | Findlay Drug Co., Calgary                               | 3 ozs.    | 30    |
| " 21.                         | "                     | 28789          | Owen Bott, Calgary                                      | 3 "       | 30    |
| " 23.                         | "                     | 28790          | McCutcheon Bros., Calgary                               | 3 "       | 30    |
| " 17.                         | "                     | 28781          | C. S. Pringle, Medicine Hat                             | 3 "       | 30    |
| " 17.                         | "                     | 28782          | B. F. Souch, Medicine Hat                               | 3 "       | 45    |
| " 17.                         | "                     | 28783          | E. M. Cawker, Medicine Hat                              | 3 "       | 50    |
| " 21.                         | "                     | 28784          | C. A. Wallace, Calgary                                  | 3 "       | 30    |
| " 21.                         | "                     | 28785          | M. Maclean, Calgary                                     | 3 "       | 30    |
| " 21.                         | "                     | 28786          | Oliver Bros., Calgary                                   | 3 "       | 30    |
| " 21.                         | "                     | 28787          | Curry & Cope, Calgary                                   | 3 "       | 30    |
| DISTRICT OF BRITISH COLUMBIA— |                       |                |   |           |       |
| Aug. 1                        | Bromide of Ammonia... | 32132          | T. A. Muir & Co., New Westminster, B.C.                 | 3 ozs.    | 35    |
| " 1.                          | "                     | 32133          | D. S. Curtis & Co., New Westminster, B. C.              | 3 "       | 50    |
| " 9.                          | "                     | 32134          | The Nelson Drug Stores Ltd., Vancouver, B.C.            | 3 "       | 45    |
| " 9.                          | "                     | 32135          | John Reed, Granville St., Vancouver, B.C.               | 3 "       | 50    |
| " 9.                          | "                     | 32136          | The McDowell, Atkins, Watson Co. Ltd., Van-<br>couver.  | 3 "       | 45    |
| " 9.                          | "                     | 32137          | W. M. Harrison & Co., Granville St., Vancouver.         | 3 "       | 35    |
| " 9.                          | "                     | 32138          | The Woodward Dept. Stores, Hasting St., Van-<br>couver. | 3 "       | 25    |
| " 9.                          | "                     | 32139          | The Red Cross Pharmacy, Cordova St. Van-<br>couver.     | 3 "       | 40    |
| " 16.                         | "                     | 32140          | F. J. Mackenzie, Ladner, B.C.                           | 3 "       | 25    |
| " 19.                         | "                     | 32141          | E. S. Knowlton Drug Stores, Carrall St. Van-<br>couver. | 3 "       | 45    |



## BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's<br>Report. | RESULTS OF ANALYSIS.                      |   |                       | Opinion of the Chief<br>Analyst. |
|---|------------------------|---|---|-----------------------|----------------------------------|
|   |                        | B. P. Silver test<br>N<br>10<br>per gram. | Excess over 102 cc.<br>N calculated to<br>10<br>chloride. | Percentage of Purity. |                                  |

## A. C. LARIVIÈRE, INSPECTOR.

|  | p. c. |      |       |
|--|-------|------|-------|
| Martin Bole, Wynne Co., Winni-<br>peg. | 105   | 3.52 | 90.48 |
| The Bole Drug Co., Winnipeg...         | 109   | 9.21 | 91.79 |
| Not known...                           | 108   | 7.04 | 92.96 |
| The Bole Drug Co., Winnipeg...         | 104   | 2.35 | 97.65 |
| Not known...                           | 109   | 8.21 | 91.79 |
| "                                      | 108   | 7.04 | 92.96 |
| "                                      | 105   | 3.52 | 96.48 |
| Martin Bole, Wynne Co., Winni-<br>peg. | 104   | 2.35 | 97.65 |
| Martin Bole, Wynne Co., Winni-<br>peg. | 105   | 3.52 | 96.48 |
| Not known...                           | 104   | 2.35 | 97.65 |

## R. W. FLETCHER, INSPECTOR.

|                                |     |      |       |
|--------------------------------|-----|------|-------|
| Lyman Son & Co.                | 105 | 3.52 | 96.48 |
| Martin Bole and Winn, Winnipeg | 105 | 3.52 | 96.48 |
| Bole Drug Co., Calgary         | 104 | 2.35 | 97.65 |
| Lyman Sons & Co., Montreal     | 106 | 4.70 | 95.30 |
| Bole Drug Co., Winnipeg        | 104 | 2.35 | 97.65 |
| F. Merck, Darmstadt, Ger.      | 104 | 2.35 | 97.65 |
| Bole Drug Co., Winnipeg        | 104 | 2.35 | 97.65 |
| Nat. Drug, Co., Montreal       | 104 | 2.35 | 97.65 |
| "                              | 104 | 2.35 | 97.65 |
| "                              | 104 | 2.35 | 97.65 |

## E. B. PARKINSON, INSPECTOR.

|  |     |      |       |
|--|-----|------|-------|
| Mallinckrodt Chem. Co., St.<br>Louis.              | 108 | 7.04 | 92.96 |
| Lyman & Sons, Montreal                             | 105 | 3.52 | 96.48 |
| Evans & Sons, Montreal & Toronto                   | 105 | 3.52 | 96.48 |
| Burgoyne Burbridges & Co., Col-<br>man St. London. | 109 | 8.21 | 91.79 |
| Henderson Bros. Ltd., Van-<br>couver, B.C.         | 108 | 7.04 | 92.96 |
| Mallinckrodt Chem. Co., St.<br>Louis.              | 109 | 8.21 | 91.79 |
| The Dom. Drug Co., Hamilton                        | 105 | 3.52 | 96.48 |
| Henderson Bros., Ltd., Van-<br>couver, B.C.        | 104 | 7.04 | 92.96 |
| Henderson Bros., Ltd., Van-<br>couver, B.C.        | 106 | 4.70 | 95.30 |
| Mallinckrodt Chem. Co., St.<br>Louis.              | 110 | 9.40 | 90.60 |

TABLE II.—RECORD OF SAMPLES OF PURIFIED CREAM OF TANTAR ANA-

| Date of Collection.        | Nature of Sample.        | No. of Sample. | Name and Address of Vendor.                                  | Cwt.      |        |
|----------------------------|--------------------------|----------------|--|-----------|--------|
|                            |                          |                |  | Quantity. | Cents. |
| 1907.                      |                          |                |  |           |        |
| DISTRICT OF NOVA SCOTIA—   |                          |                |  |           |        |
| Aug. 5..                   | Purified Cream of Tartar | 33406          | E. S. Blackie, Hollis St., Halifax ...                       | 6 cwt.    | 15     |
| " 5..                      | "                        | 33407          | National Drug Co., Halifax ...                               | 6 "       | 15     |
| " 6..                      | "                        | 33408          | G. A. Burbridge, Hollis St., Halifax ...                     | 6 "       | 15     |
| " 6..                      | "                        | 33409          | C. A. Barnstead, Granville St., Halifax ...                  | 6 "       | 15     |
| " 6..                      | "                        | 33410          | Jno. R. Rawley, Halifax ...                                  | 6 "       | 15     |
| " 6..                      | "                        | 33411          | Brown Bros. & Co., Halifax ...                               | 6 "       | 10     |
| " 6..                      | "                        | 33412          | C. E. Huggins, Jacob St., Halifax ...                        | 6 "       | 15     |
| " 13..                     | "                        | 33413          | L. C. Gardner & Co., Yarmouth, N. S. ...                     | 6 "       | 20     |
| " 15..                     | "                        | 33414          | J. D. Clark, Kentville, N. S. ...                            | 6 "       | 15     |
| " 16..                     | "                        | 33415          | R. S. Dakin, Windsor, N. S. ...                              | 6 "       | 18     |
| DISTRICT OF PRINCE EDWARD  |                          |                |  |           |        |
| July 25..                  | Purified Cream of Tartar | 31160          | Redding Bros., Charlottetown ...                             | 6 cwt.    | 13     |
| " 25..                     | "                        | 31161          | J. G. Jameson, Charlottetown ...                             | 6 "       | 15     |
| " 25..                     | "                        | 31162          | G. E. Hughes, Charlottetown ...                              | 6 "       | 15     |
| " 26..                     | "                        | 31163          | A. Reddin, Charlottetown ...                                 | 6 "       | 18     |
| " 26..                     | "                        | 31164          | McDonald, McKinnon, Charlottetown ...                        | 6 "       | 20     |
| " 30..                     | "                        | 31165          | J. C. Ferguson, Souris ...                                   | 6 "       | 25     |
| " 31..                     | "                        | 31166          | J. W. Carruthers, Montague Bridge ...                        | 6 "       | 15     |
| Aug. 6..                   | "                        | 31167          | P. McNutt & Son, Malpeque ...                                | 6 "       | 12     |
| " 7..                      | "                        | 31168          | W. Kennedy, Summerside ...                                   | 6 "       | 15     |
| " 7..                      | "                        | 31169          | D. John McNeil, Summerside ...                               | 6 "       | 15     |
| DISTRICT OF NEW BRUNSWICK— |                          |                |  |           |        |
| Aug. 26..                  | Purified Cream of Tartar | 29584          | Nat. Drug & Chem. Co., Ltd., Mill St. St. John, N.B. ...     | 6 cwt.    | 20     |
| " 27..                     | "                        | 29585          | E. Clinton Brown, St. John, N.B. ...                         | 6 "       | 20     |
| " 29..                     | "                        | 29586          | Can. Drug Co., St. John, N.B. ...                            | 6 "       | 20     |
| " 31..                     | "                        | 29587          | Wm. Hawker, St. John, N.B. ...                               | 6 "       | 20     |
| " 6..                      | "                        | 29588          | The Sussex Mercantile Co. Ltd., Sussex, King's Co., N.B. ... | 6 "       | 15     |
| " 7..                      | "                        | 29589          | James McDonald Cook, Medical Hall, Moncton, N.B. ...         | 6 "       | 25     |
| " 9..                      | "                        | 29590          | J. D. B. F. McKenzie, Chatham, N.B. ...                      | 6 "       | 15     |
| " 20..                     | "                        | 29591          | Frank Smith, St. Stephen, N.B. ...                           | 6 "       | 15     |
| " 21..                     | "                        | 29592          | J. M. Wiley, Fredricton, N. B. ...                           | 6 "       | 20     |
| " 23..                     | "                        | 29593          | Garden Bros., Woodstock, N.B. ...                            | 6 "       | 13     |

LYZED BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's Report.                 | RESULTS OF<br>ANALYSIS.                |  | Opinion of the Chief<br>Analyst           |
|---|-------------------------------------|--|--|---|
|   |                                     | Acidity (ex-act-<br>mal) per 100 grms. | Calculated to Bi-<br>tartrate of Potas-<br>sium. |   |
| R. J. WAUGH, INSPECTOR.   |                                     |  |  |   |
| National Drug Co., Halifax .....  | Asked for and sold as la-<br>beled. | 488                                    | 91.7   | Below standard.                           |
| Unknown .....   | "                                   | 478                                    | 90.0   | "   |
| National Drug Co., Halifax .....  | "                                   | 480                                    | 90.2   | "   |
| J. P. Mott & Co., Halifax .....   | "                                   | 482                                    | 90.6   | "   |
| National Drug Co., Halifax.....   | "                                   | 488                                    | 91.7   | "   |
| " .....   | "                                   | 377                                    | 89.1   | "   |
| " .....   | "                                   | 478                                    | 90.0   | "   |
| Dearborn & Co., St. John, N.B..   | "                                   | 492                                    | 92.5   | "   |
| National Drug Co., Halifax.....   | "                                   | 534                                    | 98.5   | Genuine.                                  |
| " .....   | "                                   | "                                      | "  | Adulterated. Is burnt<br>alum and starch. |

ISLAND—T. MOORE, INSPECTOR.

|                                    |     |       |                 |
|------------------------------------|-----|-------|-----------------|
| Not known .....                    | 528 | 91.2  | Genuine.        |
| Lyman Sons & Co., Montreal .....   | 530 | 90.6  | "               |
| Not known .....                    | 488 | 91.7  | Below standard. |
| National Drug Co., Montreal .....  | 530 | 91.6  | Genuine.        |
| Taylor & Son, Scotland .....       | 486 | 91.0  | Below standard. |
| Howards .....                      | 468 | 88.0  | "               |
| Not known .....                    | 496 | 91.25 | "               |
| E. W. Gillett & Co., Toronto ..... | 530 | 90.6  | Genuine.        |
| Not known .....                    | 480 | 90.2  | Below standard. |
| National Drug Co., Montreal .....  | 468 | 91.7  | "               |

J. C. FERGUSON, INSPECTOR.

|   |   |     |      |                 |
|---|---|-----|------|-----------------|
| Vendor. ....                                  | Crystals Imported and<br>ground by vendors.   | 518 | 97.4 | Genuine.        |
| E. W. Gillett & Co., Ltd., To-<br>ronto, Ont. | Sample filled from buck by<br>vendor.   | 530 | 90.6 | "               |
| Vendors, N.B. ....                            | Imported in Crystals by<br>vendors and ground.  | 484 | 91.0 | Below Standard. |
| Nat. Drug Co. Ltd., St. John,<br>N.B.         | Sample taken from large<br>bottle.  | 512 | 96.3 | "               |
| Lyman, Sons & Co., Montreal,<br>P.Q.          | Sold as pure Cream of<br>Tartar.  | 530 | 90.6 | Genuine.        |
| E. W. Gillett & Co., Ltd., To-<br>ronto, Ont. | "   | 508 | 95.5 | Below Standard. |
| " .....                                       | "   | 528 | 90.2 | Genuine.        |
| Nat. Drug Co., St. John, N.B. .               | "   | 508 | 95.1 | Below Standard. |
| Colonial Spice Milling Co., Guel-<br>ph, Ont. | Pkgs. marked. Cream of<br>Tartar, recommended for<br>purity strength and uni-<br>formity. | 470 | 88.4 | "               |
| Nat. Drug Co., St. John, N.B. .               | Sample taken from large<br>drawer in bulk.  | 468 | 88.0 | "               |



TABLE II.—RECORD OF SAMPLES OF PURIFIED CREAM OF TARTAR ANALYSED.

| Date of Collection.       | Nature of Sample.        | No. of Sample. | Name and Address of Vendor.                            | Cost.                 |        |
|---------------------------|--------------------------|----------------|--|-----------------------|--------|
|                           |                          |                |  | Quantity.             | Cents. |
| 1907.                     |                          |                |  |                       |        |
| DISTRICT OF QUEBEC        |                          |                |  |                       |        |
| July 30.                  | Purified Cream of Tartar | 26324          | Jon. Masson, 408 St. Valier.                           | 6 OSS.                | 42     |
| " 30.                     | "                        | 26325          | Thon. T. Laroche, 735 St. Valier.                      | 6 "                   | 25     |
| " 30.                     | "                        | 26326          | T. E. Martel, 91 St. Joseph.                           | 6 "                   | 24     |
| " 30.                     | "                        | 26327          | David Gagnon, 30 St. Pierre.                           | 6 "                   | 25     |
| " 30.                     | "                        | 26328          | Victor Giroux, Cote Lamontagne.                        | 6 "                   | 30     |
| " 30.                     | "                        | 26309          | W. Brunnette et Cie.                                   | 6 "                   | 30     |
| " 30.                     | "                        | 26330          | C. P. Delisle, 379 1/2 St. Jean.                       | 6 "                   | 30     |
| " 30.                     | "                        | 26331          | Alfred Jolicœur, 338 St. Jean.                         | 6 "                   | 40     |
| " 30.                     | "                        | 26332          | F. E. Gauvreau, 336 St. Jean.                          | 6 "                   | 30     |
| " 30.                     | "                        | 26333          | T. Edmond Dubé, 28 St. Jean.                           | 6 "                   | 30     |
| DISTRICT OF ST. HYACINTHE |                          |                |  |                       |        |
| Aug. 6.                   | Purified Cream of Tartar | 27873          | Dr. P. A. Brassard, Stanfield.                         | 12 OSS.               | 25     |
| " 9.                      | "                        | 27874          | Dr. Stevenson, Coaticook.                              | 12 "                  | 25     |
| " 9.                      | "                        | 27875          | T. A. Bourque & Cie, Sherbrooke.                       | 5 Pkts.,<br>lb. each. | 30     |
| DISTRICT OF MONTREAL      |                          |                |  |                       |        |
| Aug. 14.                  | Purified Cream of Tartar | 32552          | J. T. Lyons Co., Montreal.                             | 6 OSS.                | 23     |
| July 30.                  | "                        | 32553          | Joseph Cantant, 351 Notre Dame St., East,<br>Montreal. | 6 "                   | 20     |
| " 30.                     | "                        | 32554          | Henry Lanctot, 295 St. Catherine St., Montreal.        | 6 "                   | 15     |
| Aug. 1.                   | "                        | 32555          | O. St. Amour, St. Agathe.                              | 6 "                   | 30     |
| " 5.                      | "                        | 32556          | Dr. J. E. St. Onge, Valleyfield.                       | 6 "                   | 25     |
| " 5.                      | "                        | 32557          | Mrs. St. Louis, Valleyfield.                           | 6 "                   | 30     |
| " 5.                      | "                        | 32558          | Dr. Gauthier, Valleyfield.                             | 6 "                   | 15     |
| " 5.                      | "                        | 32559          | Dr. Lafontaine, Berthierville.                         | 6 "                   | 20     |
| " 8.                      | "                        | 32560          | Dr. J. Leduc & Co., Montreal & Co.                     | 6 "                   | 20     |
| " 8.                      | "                        | 32561          | J. Hirtz, 54 Craig St., Montreal.                      | 6 "                   | 20     |
| DISTRICT OF OTTAWA        |                          |                |  |                       |        |
| July 30.                  | Purified Cream of Tartar | 34021          | Medical Hall, Hull.                                    | 6 OSS.                | 20     |
| " 30.                     | "                        | 34022          | Modern Drug Store, Hull.                               | 6 "                   | 20     |
| " 29.                     | "                        | 34023          | D. R. DesRosiers, Ottawa.                              | 6 "                   | 25     |
| " 29.                     | "                        | 34024          | The Jos. Valiquette Co., Ottawa.                       | 6 "                   | 15     |
| " 30.                     | "                        | 34025          | Beattie & Argue, Ottawa.                               | 6 "                   | 20     |
| " 30.                     | "                        | 34026          | Allen & Cochrane, Ottawa.                              | 6 "                   | 20     |
| " 30.                     | "                        | 34027          | Geo. Watson, Ottawa.                                   | 6 "                   | 25     |
| Aug. 6.                   | "                        | 34028          | G. E. Moore, Carleton Place.                           | 6 "                   | 15     |
| " 7.                      | "                        | 34029          | Wm. Johnson, Smith's Falls.                            | 6 "                   | 15     |
| " 7.                      | "                        | 34030          | F. L. Hall, Perth.                                     | 6 "                   | 15     |

# LYZED BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's Report.                                  | RESULTS OF<br>ANALYSIS.       |  | Opinion of the Chief<br>Analyst.  |
|---|--|-------------------------------|--|---|
|   |  | Acidity — per 100<br>grammes. | Calculated to Be<br>Pot-<br>tartrate<br>tassium. |   |
| E. BELAND, INSPECTOR.   |  |                               |  |   |
| Nat. Drug & Chem. Co.....   |  | 479                           | 88.4   | Below Standard.   |
| "   |  | 474                           | 89.1   | "   |
| "   |  | 486                           | 92.0   | "   |
| Evans & Sons, Montreal....  |  | 470                           | 86.4   | "   |
| Lyman Knox Co., Montreal....  |  | 478                           | 90.0   | "   |
| Not known.....  |  |                               |  | Is burnt alum and starch.<br>The word "Commercial"<br>is written in pencil on<br>the bottle. Adulterated. |
| Dr. Ed. Morin et Cie.....   |  | 464                           | 87.2   | Below Standard.   |
| Not known.....  |  | 470                           | 89.5   | "   |
| Lyman Sons Co., Montreal....  |  | 456                           | 85.7   | "   |
| Not known.....  |  | 494                           | 92.9   | "   |
| J. C. ROULEAU, INSPECTOR.   |  |                               |  |   |
| J. E. Liverriaux, Quebec.....   |  | 470                           | 88.4   | Below Standard.   |
| Lyman, Sons & Co., Montreal....   |  | 478                           | 90.0   | "   |
| S. H. Ewing & Son, Montreal....   | Pkgs marked, pure ground.<br>1 lb., Cream of Tartar. | 480                           | 90.2   | "   |
| J. J. COSTIGAN, INSPECTOR.  |  |                               |  |   |
| Nat. Drug & Chem. Co.....   |  | 454                           | 91.0   | Below Standard.   |
| Not known.....  |  | 490                           | 92.1   | "   |
| "   |  |                               |  | A mistake in filling the<br>order. Is a sample of<br>Rochelle Salts.                                      |
| Lyman Sons.....   |  | 456                           | 85.7   | Below Standard.   |
| "   |  | 494                           | 92.9   | "   |
| Not known.....  |  | 482                           | 90.6   | "   |
| "   |  | 476                           | 89.5   | "   |
| "   |  | 474                           | 89.1   | "   |
| "   |  | 484                           | 91.0   | "   |
| Lyman Sons.....   |  | 472                           | 88.7   | "   |
| J. A. RICKEY, INSPECTOR.  |  |                               |  |   |
| National Drug and Chemical Co. 99 per cent pure....                     |  | 476                           | 89.5   | Below standard.   |
| Lyman, Knox Co.....   |  | 476                           | 89.5   | "   |
| Ottawa Drug Co., Ottawa.....  |  | 476                           | 89.5   | "   |
| Lyman Sons & Co., Montreal....  | Would not guarantee pure.                            | 474                           | 89.1   | "   |
| National Drug Co., Ottawa....   | 99 per cent pure.....                                | 476                           | 89.5   | "   |
| Lyman Sons Co., Montreal....  |  | 470                           | 88.4   | "   |
| "   |  | 484                           | 91.0   | "   |
| National Drug and Chemical Co. 99 per cent pure.....                    |  | 524                           | 96.5   | Genuine.  |
| "   |  | 476                           | 89.5   | Below Standard.   |
| Lyman Sons & Co. ....   | Gillett's Brand.....                                 | 526                           | 96.9   | Genuine.  |

TABLE II.—RECORD OF SAMPLES OF PURIFIED CREAM OF TARTAR ANAL.

| Date of Collection.           | Nature of Sample.        | No. of Sample. | Name and Address of Vendor.                    | Cost.     |        |
|-------------------------------|--------------------------|----------------|--|-----------|--------|
|                               |                          |                |  | Quantity. | Cents. |
| 1907.                         |                          |                |  |           |        |
| DISTRICT OF KINGSTON—         |                          |                |  |           |        |
| July 23.                      | Purified Cream of Tartar | 32465          | A. J. Chown, Kingston                          | 3 ozs.    | 15     |
| " 23.                         | "                        | 32467          | W. W. Gibson, Kingston                         | 3 "       | 15     |
| " 23.                         | "                        | 32468          | H. Wate, Kingston                              | 3 "       | 15     |
| " 23.                         | "                        | 32469          | L. P. Post, Kingston                           | 3 "       | 30     |
| " 23.                         | "                        | 32470          | H. Skinner & Co., Kingston                     | 3 "       | 15     |
| " 23.                         | "                        | 32471          | G. Mahood, Kingston                            | 3 "       | 20     |
| " 23.                         | "                        | 32472          | W. H. Medley, Kingston                         | 3 "       | 20     |
| " 23.                         | "                        | 32473          | F. J. Hoag, Kingston                           | 3 "       | 20     |
| " 24.                         | "                        | 32474          | J. B. McLeod, Kingston                         | 3 "       | 20     |
| " 26.                         | "                        | 32475          | R. Templeton, Belleville Front                 | 3 "       | 15     |
| DISTRICT OF TORONTO—          |                          |                |  |           |        |
| Aug. 9.                       | Purified Cream of Tartar | 33311          | A. E. Walton, Ltd., 714 Queen St. E., Hamilton | 6 ozs.    | 15     |
| " 12.                         | "                        | 33312          | Parke & Parke, 18 Market Square, Hamilton      | 6 "       | 15     |
| " 12.                         | "                        | 33313          | F. W. Mills, 323 King St. E., Hamilton         | 6 "       | 15     |
| " 12.                         | "                        | 33314          | Hawkins, Ltd., 315 Barton St. E., Hamilton     | 6 "       | 12     |
| " 15.                         | "                        | 33315          | S. B. Skobell, 13 James St., St. Catharines    | 6 "       | 20     |
| " 15.                         | "                        | 33316          | Walker & Abba, 30 Queen St., St. Catharines    | 6 "       | 15     |
| " 15.                         | "                        | 33317          | F. W. Joffe, 68 King St., St. Catharines       | 6 "       | 10     |
| " 19.                         | "                        | 33318          | H. W. Smith, Erie Ave., Niagara Falls          | 6 "       | 15     |
| " 19.                         | "                        | 33319          | W. W. Ker, Niagara Falls South                 | 6 "       | 20     |
| " 21.                         | "                        | 33320          | Crown Drug Store, 278 Yonge St., Toronto       | 6 "       | 15     |
| DISTRICT OF BRITISH COLUMBIA— |                          |                |  |           |        |
| Aug. 1.                       | Purified Cream of Tartar | 32152          | T. A. Muir & Co., New Westminster, B.C.        | 6 ozs.    | 30     |
| " 1.                          | "                        | 32153          | D. S. Curtis, New Westminster, B.C.            | 6 "       | 40     |
| " 9.                          | "                        | 32154          | LePatourel & McRae, Vancouver, B.C.            | 6 "       | 55     |
| " 9.                          | "                        | 32155          | Jno. Reed, Granville St., Vancouver, B.C.      | 6 "       | 45     |
| " 9.                          | "                        | 32156          | McDowell-Atkins-Watson Co., Ltd., Vancouver    | 6 "       | 30     |
| " 9.                          | "                        | 32157          | W. M. Harrison & Co., Vancouver, B.C.          | 6 "       | 30     |
| " 9.                          | "                        | 32158          | Woodward Dept. Stores, Vancouver, B.C.         | 6 "       | 25     |
| " 9.                          | "                        | 32159          | The Red Cross Pharmacy, Vancouver, B.C.        | 6 "       | 50     |
| " 16.                         | "                        | 32160          | F. J. MacKenzie, Ladner, B.C.                  | 6 "       | 25     |
| " 19.                         | "                        | 32161          | E. S. Knowlton Drug Store, Vancouver, B.C.     | 6 "       | 35     |



LYZED BY INLAND REVENUE DEPARTMENT—PUBLIC ANALYST LABORATORY.

| Name and Address of<br>Manufacturer or Furnisher<br>as given by Vendor. | Inspector's Report. | RESULTS OF<br>ANALYSIS.   |   | Opinion of the Chief<br>Analyst. |
|---|---------------------|---------------------------|---|----------------------------------|
|   |                     | Acidity per 100<br>grams. | Calculated to Bi-<br>tartarated Potas-<br>sium. |                                  |

J. HOGAN, INSPECTOR.

|                                 |     |      |                 |
|---------------------------------|-----|------|-----------------|
| Lyman Sons & Co., Montreal..... | 504 | 94.7 | Below standard. |
| Not known.....                  | 490 | 87.6 | "               |
| Lyman Sons & Co., Montreal..... | 520 | 96.9 | Genuine.        |
| Hower Sons.....                 | 470 | 88.4 | Below standard. |
| H. Skinner & Co., Kingston..... | 478 | 90.0 | "               |
| Lyman Sons, Montreal.....       | 470 | 88.4 | "               |
| H. Skinner & Co., Kingston..... | 468 | 88.0 | "               |
| " ".....                        | 472 | 88.7 | "               |
| " ".....                        | 474 | 89.1 | "               |
| Evans & Sons, Montreal.....     | 472 | 88.7 | "               |

H. J. DAGEK, INSPECTOR.

|                                |     |      |   |
|--------------------------------|-----|------|---|
| Elliott & Co., Toronto.....    | 464 | 87.2 | Below standard.                           |
| Todhunter & Mitchell.....      | 526 | 96.9 | Genuine.                                  |
| J. Winer & Co., Hamilton.....  | 486 | 92.0 | Below Standard.                           |
| Dalton Bros.....               |     |      | Is burnt alum and starch.<br>Adulterated. |
| D. W. Gillett, Toronto.....    | 510 | 95.9 | Below standard.                           |
| Dominion Drug Co., Hamilton... | 470 | 88.4 | "   |
| " ".....                       | 474 | 89.1 | "   |
| Lyman Bros., Toronto.....      | 494 | 92.9 | "   |
| Dominion Drug Co., Hamilton... | 472 | 88.7 | "   |
| Lyman Bros., Toronto.....      | 468 | 88.0 | "   |

E. B. PARKINSON, INSPECTOR.

|   |     |      |                 |
|---|-----|------|-----------------|
| Henderson Bros., Ltd., Vancouver.....   | 526 | 96.9 | Genuine.        |
| Lyman & Sons, Montreal.....   | 524 | 96.5 | "               |
| Dominion Drug Co., Hamilton...  | 486 | 92.0 | Below standard. |
| Henderson Bros., Ltd., Vancouver.....   | 526 | 96.9 | Genuine.        |
| " ".....  | 528 | 92.2 | "               |
| Wm. Braid & Co., Vancouver, B.C.  | 522 | 98.1 | "               |
| Would not guarantee pure<br>cream tartar but would<br>mark it commercially<br>pure. |     |      |                 |
| E. W. Gillett, Toronto, Ont. ....   | 530 | 92.6 | "               |
| Henderson Bros., Ltd., Vancouver.....   | 526 | 92.2 | "               |
| " ".....  | 530 | 92.6 | "               |
| Nations' Drug Co., Montreal.....  | 514 | 96.6 | Below standard. |
| Same as Sample No. 32157<br>Marked chemically pure..                                |     |      |                 |

TABLE III—RECORD OF SAMPLES OF CREAM OF TARTAR ANALYZED

| Date of Collection.        | Nature of Sample.     | No. of Sample. | Name and Address of Vendor.              | Cost.                      |        |
|----------------------------|-----------------------|----------------|--|----------------------------|--------|
|                            |                       |                |  | Quantity.                  | Cents. |
| 1907.                      |                       |                |  |                            |        |
| DISTRICT OF ST. HYACINTHE— |                       |                |  |                            |        |
| Aug. 1..                   | Cream of Tartar ..... | 27872          | D. Houde, Nicolet .....                  | 1 lb. ....                 | 40     |
| " 14..                     | " .....               | 27876          | Wright & Co., St. Jean .....             | 12 ozs. ....               | 35     |
| " 15..                     | " .....               | 27871          | J. B. McLean, Farnham. ....              | 3 boxes. ....              | 60     |
| " 21..                     | " .....               | 27877          | Dr. Daignault, Actonvale. ....           | 12 ozs. ....               | 30     |
| " 22..                     | " .....               | 27878          | T. England & Sons, Knowlton .....        | 2 tins 1 lb.<br>each. .... | 25     |
| " 26..                     | " .....               | 27879          | J. B. St. Pierre, St. Hyacinthe .....    | 12 ozs. ....               | 30     |
| " 27..                     | " .....               | 27870          | R. E. Bertrand, Magog .....              | 12 " .....                 | 30     |
| DISTRICT OF LONDON—        |                       |                |  |                            |        |
| July 29..                  | Cream of Tartar ..... | 30388          | R. F. Gill, St. Marys .....              | 1 lb. ....                 | 20     |
| " 2..                      | " .....               | 30405          | W. J. Cherney, Windsor .....             | " .....                    | 20     |
| Aug. 13..                  | " .....               | 30415          | Reeks & Co., St. Thomas .....            | " .....                    | 20     |
| " 13..                     | " .....               | 30418          | Cairncross & Lawrence, London, Ont. .... | " .....                    | 25     |
| " 14..                     | " .....               | 30422          | Jno. E. Gayfer .....                     | " .....                    | 20     |
| " 14..                     | " .....               | 30423          | J. H. Nasmytha, Woodstock. ....          | " .....                    | 25     |
| " 15..                     | " .....               | 30428          | Deans & Walker, Gault .....              | " .....                    | 20     |
| " 15..                     | " .....               | 30430          | Dunke & Co., Berlin .....                | " .....                    | 20     |
| " 15..                     | " .....               | 30433          | Beck & Schell, Berlin .....              | " .....                    | 30     |
| " 16..                     | " .....               | 30434          | Walter Beattie, Guelph. ....             | " .....                    | 20     |
| DISTRICT OF MANITOBA—      |                       |                |  |                            |        |
| Aug. 6..                   | Cream of Tartar ..... | 25612          | Winnipeg Drug Hall, Winnipeg. ....       | 6 ozs. ....                | 15     |
| " 6..                      | " .....               | 25615          | Cranston's Drug Store, Winnipeg .....    | 6 " .....                  | 30     |
| " 6..                      | " .....               | 25618          | W. W. Bradshaw, Winnipeg .....           | 6 " .....                  | 20     |
| " 6..                      | " .....               | 25621          | Coleclough's Drug Store, Winnipeg .....  | 6 " .....                  | 45     |
| " 7..                      | " .....               | 25624          | W. F. C. Braithwaite, Winnipeg .....     | 6 " .....                  | 25     |
| " 7..                      | " .....               | 25627          | Gordon Mitchell Co., Winnipeg .....      | 6 " .....                  | 10     |
| " 7..                      | " .....               | 25637          | Connell & Co., Winnipeg .....            | 6 " .....                  | 20     |
| " 7..                      | " .....               | 25640          | The T. Eaton Co .....                    | 6 " .....                  | 15     |
| " 10..                     | " .....               | 25652          | R. D. Bruce, Winnipeg .....              | 6 " .....                  | 25     |
| " 10..                     | " .....               | 25655          | Thornton Andrews .....                   | 6 " .....                  | 20     |

22

40

## 35

30

## 20

20

## 20

20  
25

**Sodium Carbonate—Adul-**  
**terated, perhaps a blun-**  
**der in dispensing.**